

Installation Instructions

NOTE: Read the entire instruction manual before starting the installation.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual Installation Instructions packaged with the kits or accessories.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to unit. Consult local building codes and National Electrical Code (NEC) for special installation requirements.

Recognize safety information. This is the safety alert symbol . When you see this symbol on the unit or in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words - DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices, which **may** result in minor personal injury or product and property damage. NOTE is used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

WARNING

ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before beginning any installation or modification, be sure the main electrical disconnect switch(es) is in the OFF position. There may be more than one power supply. Tag the disconnect switch(es) with a suitable warning label.

INTRODUCTION

This instruction covers the installation of downflow base kits on model FA, FB, FC, FE, FH, FK, FX, FV, FY, FZ and PF fan coils. (See Table 1.) The device is designed to provide a means of eliminating open passage through building structure (per UL and NFPA 90B), and provides a 1-in. (25 mm) clearance between plenum and initial penetration of structure.

DESCRIPTION AND USAGE

The downflow base kit is required in downflow installations of fan coils. The kit maintains 1-in. (25 mm) minimum clearance between unit discharge plenum, ductwork, and combustible materials and also provides a gap-free seal with the floor.

Before installing the downflow base, convert the fan-coil unit for downflow installation. (See Downflow Bracket Kit Installation Instructions for details.)

INSTALLATION

1. Cut a hole in floor large enough for clearance of downflow base brackets. See Fig. 1 and Table 1 to determine clearance dimensions.
2. Set downflow base on floor with brackets inserted into hole.
3. Fasten base firmly to floor with screws through base flanges.
4. Set unit on downflow base inserting unit discharge duct flange through hole in base.
5. Connect ductwork to unit discharge duct flange.

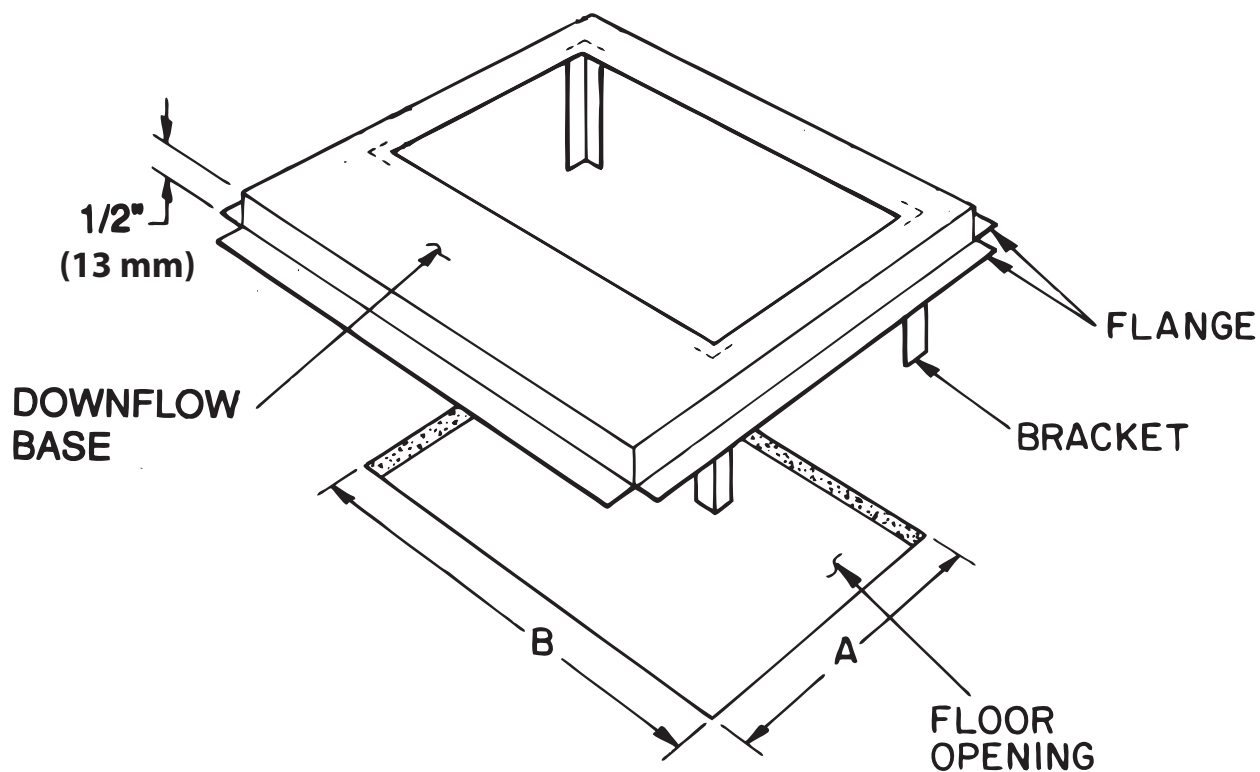


Fig. 1 - Downflow Base

A08188

Table 1 – Downflow Base Kit Usage

MODEL	KFACB0101CFB	KFACB0201CFB	KFACB0301CFB	KFACB0401CFB
FA4B	018,024	030,036	042–060	–
FB4B				070
FZ4A	024	036	048–060	061
PF1MNB	018,024	030,036	042–060	071
FC4C	024			054,070
FH4B	001	002	003,004	
FA4C	018, 019	024, 025, 030, 031	036–049	060
FC4D				
PF				060,061
FH4C	–	001	002,003	004
FK4D	–	001,002	003,005	006
FV4B	–	002		
FE4A	–			
FE5A	–	–	–	004
FX4B	018	030	036–048	060
FX4C		024,030		
FX4D	–	019,025	031–043	049,061
FY4A	018	024,030	036–048	060
Dimension A – in. (mm)	13–7/16 (341)	13–7/16 (341)	13–7/16 (341)	13–7/16 (341)
Dimension B – in. (mm)	14–7/8 (378)	18–1/4 (464)	21–3/4 (552)	25–1/4 (641)